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22.5 mm DIN rail mounting TUR1 Part number 88865105



- Multi-function or mono-function
- Multi-range
- Multi-voltage
- Screw or spring terminals
- LED status indicator
- Option of connecting an external power supply to the control input
- 3-wire sensor control option

num	

Type Functions	Timing	Output	Nominal rating	Connections	Supply voltage
88 865 105 TUR1 A - At - B - C - H - Ht - Di - D - Ac - Bw	0,1s→100h	1 changeover relay	8 A	Screw terminals	24 V DC / 24 \rightarrow 240 V AC

Tilling		
Timing ranges (7 ranges)	1 s - 10 s - 1 min - 10 min - 1 h - 10 h - 100 h TK2R1 : 0.6s - 2.5s - 20s - 160 s	
Repetition accuracy with constant parameters	± 0.5 % (IEC/EN 1812-1)	
Drift Temperature	± 0,05 % / °C	
Drift Voltage	± 0.2 % / V	
Display accuracy according to IEC/EN 61812-1	± 10 % / 25 °C	
Minimum pulse duration typically (relay version)	30 ms	
Minimum pulse duration typically (solid state version)	50 ms	
Minimum pulse duration typically (relay version under load)	100 ms	
Maximum reset time by de-energisation typically (relay version)	100 ms	
Maximum reset time by de-energisation typically (solid state version)	350 ms	
Immunity from micro power cuts : typical	> 10 ms	
Supply	*** TRADUCTION MANQUANTE ***	
Multi-voltage power supply	Depending on version	
Frequency (Hz)	50 / 60	
Operating range	85 to 110 % Un (85 to 120 % Un for 12V AC/DC)	
Operating factor	100 %	
Max. absorbed power	0,6 W 24 V AC/DC 1,5 W 230 V AC 32 VA 230 V AC	

Output specification

1 or 2 changeover relays, AgNi (cadmium-free)	2000 VA/80 W
Rated power	2000 VA/80 W
Maximum breaking current	8 A AC 8A DC
Minimum breaking current	10 mA / 5 V DC
Voltage breaking capacity	250 V AC/ DC
Electrical life (operations)	10 ⁵ operations 8 A 250 V resistive
Mechanical life (operations)	5x10 ⁶
Breakdown voltage acc. to IEC/EN 61812-1	2.5 kV /1 min / 1 mA / 50 Hz
Impulse voltage acc. to IEC/EN 60664-1, IEC/EN 61812-1	5 kV, wave 1.2 / 50 μs

Solid state output	
Rated power	0,7 A AC/DC
	20 °C (0,5 A UL)
Derating	5 mA / °C
Maximum admissible current	20 A ≤ 10 ms
Minimum breaking current	10 mA
Leakage current	< 5 mA
Voltage breaking capacity	250 V AC/ DC
Maximum voltage drop at terminals	3 wire 4V - 2 wire 8V
Electrical life (operations)	10 ⁸
Mechanical life (operations)	10 ⁸
Breakdown voltage acc. to IEC/EN 60664-1, IEC/EN 60255-5	2.5 kV to 1 mA / 1 min
Input type	Volt-free contact
	3-wire PNP output control option residual voltage: 0.4V whatever the timer power supply

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Conformity to standards	0,02,201.		
IECCEN 1000-6-1 IECCEN 1000-6-2 IECCEN 1000-6-3 IECCEN 1000-6-3 IECCEN 1000-6-4 IECCEN 1000-6-3 IECCEN 1000-6-4 IECCEN 1000-6-6 IECCEN 100	General characteristics		
Temperature limits use (°C)	Conformity to standards	IEC/EN 61000-6-1 IEC/EN 61000-6-2 IEC/EN 61000-6-3	
Intersalization stategory (acc. to IEC/EN 80684-1) Crespage distance and derannoe acc. to IEC/EN 80684-1 Protection (IEC/EN 80628) IP 20 IP 40 Degree of protection acc. to IEC/EN 80529 Front face (except IK2R1) Vibration resistance acc. to IEC/EN 80689-2-6 Relative humidity no condensation acc. to IEC/EN 80689-2-8 Relative humidity no condensation acc. to IEC/EN 80689-2-8 Inmunity to related acc. Euclis (N 80049-2-8) Immunity to related acc. to IEC/EN 81000-4-2 Immunity to related acc. Euclis (N 80049-2-8) Immunity to shock waves on power supply acc. to IEC/EN 81000-4-2 Immunity to shock waves on power supply acc. to IEC/EN 81000-4-4 Immunity to radio frequency in common mode acc. to IEC/EN 81000-4-5 Immunity to voltage dips and breaks acc. to IEC/EN 81000-4-4 Immunity to voltage dips and breaks acc. to IEC/EN 81000-4-5 Immunity to voltage dips and breaks acc. to IEC/EN 81000-4-5 Immunity to voltage dips and breaks acc. to IEC/EN 81000-4-5 Immunity to voltage dips and breaks acc. to IEC/EN 81000-4-5 Immunity to voltage dips and breaks acc. to IEC/EN 81000-4-5 Soft (SER) (SER) (SISRR1) Alians-borne and radiated emissions acc. to EN 55002 (CISRR2), ENSSO11 (CISRR1) Fixing - Symmetrical DIX rational provided for the common control of the c	Certifications	CE, UL, cUL, CSA, GL	
Installation category (acc. to IEC/EN 60684-1) Creapage distance and clearance acc. to IEC/EN 60664-1 Protection (IEC/EN 60529) IP 40 Degree of protection acc. to IEC/EN 60529 Front face (except TAS/ER) Vibration resistance acc. to IEC/EN 60529 Front face (except TAS/ER) Vibration resistance acc. to IEC/EN 60068-2-6 Relative humidity no condensation acc. to IEC/EN 60068- 2-30 Relative humidity no condensation acc. to IEC/EN 60068- 2-30 Relative humidity no condensation acc. to IEC/EN 60068- 2-30 Relative humidity no condensation acc. to IEC/EN 60068- 2-30 Relative humidity no condensation acc. to IEC/EN 60068- 2-30 Relative humidity no condensation acc. to IEC/EN 60068- 2-30 Relative humidity to repid transient bursts acc. to IEC/EN 60064- 4 Immunity to shock waves on power supply acc. to IEC/EN 61000- 4-4 Immunity to shock waves on power supply acc. to IEC/EN 61000- 4-1 Immunity to valide frequency in common mode acc. to IEC/EN 61000- 1-1 Immunity to valide dips and breaks acc. to IEC/EN 61000- 1-1 Immunity to valide dips and breaks acc. to IEC/EN 61000- 1-1 Immunity to valide dips and breaks acc. to IEC/EN 61000- 1-1 Immunity to valide dips and breaks acc. to IEC/EN 61000- 1-1 Immunity to valide dips and breaks acc. to IEC/EN 61000- 1-1 Immunity to valide dips and breaks acc. to IEC/EN 61000- 1-1 Immunity to valide dips and breaks acc. to IEC/EN 61000- 1-1 Immunity to valide dips and breaks acc. to IEC/EN 61000- 1-1 Immunity to valide dips and breaks acc. to IEC/EN 61000- 1-1 Immunity to valide dips and breaks acc. to IEC/EN 61000- 1-1 Immunity to valide dips and breaks acc. to IEC/EN 61000- 1-1 Immunity to valide dips and breaks acc. to IEC/EN 61000- 1-1 Immunity to valide dips and breaks acc. to IEC/EN 61000- 1-1 Immunity to valide dips and breaks acc. to IEC/EN 61000- 1-1 Immunity to valide dips and breaks acc. to IEC/EN 61000- 1-1 Immunity to valide dips and breaks acc. to IEC/EN 61000- 1-1 Immunity to valide dips and breaks acc. to IEC/EN 61000- 1-1 Immunity to valide dips and breaks acc. to IEC/EN 61000	Temperature limits use (°C)	-20 ->+6 0	
votage group of the protection and clearance acc. to IEC/EN 60664-1 Protection (IEC/EN 60528)	Temperature limits stored (°C)	-30 ->+60	
Protection (IEC/EN 60529) P 20 IP 40 Degree of protection acc. to IEC/EN 60529 Front face (except Tk2R1) P 50 Vibration resistance acc. to IEC/EN 60582-26 Relative humidity no condensation acc. to IEC/EN 60688-2-30 Relative humidity no condensation acc. to IEC/EN 60688-2-30 Relative humidity no condensation acc. to IEC/EN 60688-2-30 Electromagnetic compatibitity - Immunity to electrostatic discharges acc to IEC/EN 61000-4-2 Immunity to radiated, radio-frequency, electromagnetic field acc. IEC/EN 61000-4-2 Immunity to rapid transient bursts acc. to IEC/EN 61000-4-4 Immunity to radio frequency in common mode acc. to IEC/EN 61000-4-5 Immunity to radio frequency in common mode acc. to IEC/EN 61000-4-5 Immunity to radio frequency in common mode acc. to IEC/EN 61000-4-5 Immunity to voltage dips and breaks acc. to IEC/EN 61000-4-6 Immunity to voltage dips and breaks acc. to IEC/EN 61000-4-6 Mans-borne and radiated emissions acc. to EN 55022 (clSPR2), ENS5011 (clSPR1) Spring terminals, 2 terminals per connection point - flexible wire Spring terminals, 2 terminals per connection point - rigid wire Housing material Weight: casing 17.5 mm P 50 P 40 P 50 IP 40 IP 50 IP 40 IP 4		Voltage surge category	
Degree of protection acc. to IEC/EN 60529 Front face (except Tk2R1) Vibration resistance acc. to IEC/EN 600682-6 Relative humidity no condensation acc. to IEC/EN 60068-2-30 Relative humidity no condensation acc. to IEC/EN 60068-2-30 Electromagnetic compatibility - Immunity to electrostatic discharges acc to IEC/EN 61000-4-2 Immunity to radiated, radio-frequency, electromagnetic field acc. IEC/EN 61000-4-3 Immunity to radiate frequency acc. to IEC/EN 61000-4-4 Immunity to radia frequency in common mode acc. to IEC/EN 61000-4-5 Immunity to radio frequency in common mode acc. to IEC/EN 61000-4-5 Immunity to radio frequency in common mode acc. to IEC/EN 61000-4-5 Immunity to valde gips and breaks acc. to IEC/EN 61000-4-1 Immunity to valde gips and breaks acc. to IEC/EN 61000-4-1 Immunity to valde gips and breaks acc. to IEC/EN 61000-4-1 Immunity to valde gips and breaks acc. to IEC/EN 61000-4-1 Sym/6-5 Class B Class B Class B Connection capacity - with ferrule Spring terminals, 2 terminals per connection point - rigid wire Proceedings of the process of t	Creepage distance and clearance acc. to IEC/EN 60664-1	4 kV / 3	
Degree of protection acc. to IEC/EN 600529 Front face (except Tr.2R1) IP 50 Vibration resistance acc. to IEC/EN 60068-2-6 Relative humidity no condensation acc. to IEC/EN 60088-2-30 Sa sans condensation Electromagnetic compatibity - Immunity to electrostatic discharges acc to IEC/EN 61000-4-2 Immunity to radiated, radio-frequency, electromagnetic field acc. IEC/EN 61000-4-3 Immunity to rapid transient bursts acc. to IEC/EN 61000-4-4 Immunity to rapid transient bursts acc. to IEC/EN 61000-4-5 Immunity to radio frequency, in common mode acc. to IEC/EN 61000-4-5 Immunity to valide frequency in common mode acc. to IEC/EN 61000-4-5 Immunity to voltage dips and breaks acc. to IEC/EN 61000-30 A-11 Mains-borne and radiated emissions acc. to EN 55022 (CISPR22), ENS5011 (CISPR11) Sa fm Connection capacity - with ferrule 2x 1,5 mm² Spring terminals, 2 terminals per connection point - rigid wire Weight: casing 17.5 mm Self-extinguishing Melpst: casing 17.5 mm Self-extinguishing Melpst: casing 17.5 mm Self-extinguishing Melpst: casing 17.5 mm IP 50 E 10 * 55 HZ A = 0,35 mm Level III (Air 8 KV / Contact 6 KV) Level III (Air	Protection (IEC/EN 60529)	IP 20	
Pout Withardion resistance acc. to IEC/EN 60068-2-6 f = 10 * 55 Hz A = 0.35 mm 93 % sans condensation 2-30 93 % sans condensation		IP 40	
acc. to IEC/EN 60068-2-6 Relative humidity no condensation acc. to IEC/EN 6008-2-30 Sa sans condensation Electromagnetic compatibility - Immunity to electrostatic discharges acc to IEC/EN 61000-4-2 Immunity to radiated, radio-frequency, electromagnetic field acc. IEC/EN 61000-4-3 Immunity to radiated, radio-frequency, electromagnetic field acc. IEC/EN 61000-4-3 Immunity to radiot transient bursts acc. to IEC/EN 61000-4-7 Immunity to radiot frequency in common mode acc. to IEC/EN 61000-4-5 Immunity to radio frequency in common mode acc. to IEC/EN 61000-4-5 Immunity to value dispand breaks acc. to IEC/EN 61000-4-5 Immunity to value dispand breaks acc. to IEC/EN 61000-4-5 Immunity to voltage dispand breaks acc. to IEC/EN 61000-4-5 Septimagnetic compand transient burst acc. to IEC/EN 61000-4-5 Immunity to voltage dispand breaks acc. to IEC/EN 61000-4-5 Immunity to voltage dispand breaks acc. to IEC/EN 61000-6 4-11 Clevel III (2 KV / common mode 2 KV/residual current mode 1KV) Level III (10 V rms: 0.15 M Hz to 80 M Hz) Level III (10 V rms: 0.15 M Hz to 80 M Hz) Level III (10 V rms: 0.15 M Hz to 80 M Hz) Level III (10 V rms: 0.15 M Hz to 80 M Hz) Class B Class B Class B Class B Class B Connection capacity - without ferrule 2 x 2,5 mm² Connection capacity - without ferrule 2 x 1,5 mm² Spring terminals, 2 terminals per connection point - rigid wire Physing terminals, 2 terminals per connection point - rigid wire Spring terminals, 2 terminals per connection point - rigid wire Spring terminals, 2 terminals per connection point - rigid wire Spring terminals, 2 terminals per connection point - rigid wire Spring terminals, 2 terminals per connection point - rigid wire Spring terminals, 2 terminals per connection point - rigid wire Spring terminals, 2 terminals per connection point - rigid wire Spring terminals, 2 terminals per connection point - rigid wire Spring terminals, 2 terminals per connection point - rigid wire		IP 50	
Relative humidity no condensation acc. to IEC/EN 60068- 2-30 Electromagnetic compatibility - Immunity to electrostatic discharges acc to IEC/EN 61000-4-2 Immunity to radiated, radio-frequency, electromagnetic field acc. IEC/EN 61000-4-3 Immunity to rapid transient bursts acc. to IEC/EN 61000-4-5 Immunity to rapid transient bursts acc. to IEC/EN 61000-4-5 Immunity to radio frequency in common mode acc. to IEC/EN 61000-4-5 Immunity to radio frequency in common mode acc. to IEC/EN 61000-4-5 Immunity to voltage dips and breaks acc. to IEC/EN 61000- 4-11 Immunity to voltage dips and breaks acc. to IEC/EN 61000- 4-11 Mains-borne and radiated emissions acc. to EN 55022 (CISPR22), EN55011 (CISPR11) Fixing : Symmetrical DIN rail Connection capacity - with ferrule 2 x 2,5 mm² Spring terminals, 2 terminals per connection point - flexible wire Spring terminals, 2 terminals per connection point - rigid wire 8-2-80 Self-extinguishing 8-2-80 Self-extinguishing 8-2-80 Self-extinguishing 6-9 Self-extinguishing 1.5 mm²	Vibration resistance	f = 10 • 55 Hz	
Electromagnetic compatibility - Immunity to electrostatic discharges acc to IEC/EN 61000-4-2 Immunity to radiated, radio-frequency, electromagnetic field acc. IEC/EN 61000-4-3 Immunity to rapid transient bursts acc. to IEC/EN 61000-4-4 Immunity to shock waves on power supply acc. to IEC/EN 61000-4-5 Immunity to shock waves on power supply acc. to IEC/EN 61000-4-5 Immunity to vadio frequency in common mode acc. to IEC/EN 61000-4-5 Immunity to vadio frequency in common mode acc. to IEC/EN 61000-4-6 Immunity to voltage dips and breaks acc. to IEC/EN 61000-4-11 Immunity to voltage dips and breaks acc. to IEC/EN 61000-4-11 Mains-borne and radiated emissions acc. to EN 55022 (CISPR22), EN55011 (CISPR11) Connection capacity - without ferrule 2 x 2,5 mm² Connection capacity - with ferrule Spring terminals, 2 terminals per connection point - rigid wire Spring terminals, 2 terminals per connection point - rigid wire Mousing material Weight: casing 17,5 mm Level III (Air 8 KV / Contact 6 KV) Level III (Air 8 KV / Contact 6 KV) Level III (Air 8 KV / Contact 6 KV) Level III (Air 8 KV / Contact 6 KV) Level III (0V M Bz to 1 G Hz) Level III (10V ms : 0.15 M Hz to 80 M Hz) Level III (10V ms : 0.15 M Hz to 80 M Hz) Level III (10V ms : 0.15 M Hz to 80 M Hz) Consolidation coupling camp 1 KV) Level III (10V ms : 0.15 M Hz to 80 M Hz) Clevel III (10V ms : 0.15 M Hz to 80 M Hz) Clevel III (10V ms : 0.15 M Hz to 80 M Hz) Clevel III (10V ms : 0.15 M Hz to 80 M Hz) Clevel III (10V ms : 0.15 M Hz to 80 M Hz) Clevel III (10V ms : 0.15 M Hz to 80 M Hz) Clevel III (10V ms : 0.15 M Hz to 80 M Hz) Clevel III (10V ms : 0.15 M Hz to 80 M Hz) Clevel III (10V ms : 0.15 M Hz to 80 M Hz) Clevel III (10V ms : 0.15 M Hz to 80 M Hz) Clevel III (10V ms : 0.15 M Hz to 80 M Hz) Clevel III (10V ms : 0.15 M Hz to 80 M Hz) Clevel III (10V ms : 0.15 M Hz to 80 M Hz) Clevel III (10V ms : 0.15 M Hz to 80 M Hz) Clevel III (10V ms : 0.15 M Hz to 80 M Hz) Clevel III (10V ms : 0.15 M Hz to 80 M Hz) Clevel III (10V ms : 0		A = 0,35 mm	
discharges acc to IEC/EN 61000-4-2 Immunity to radiated, radio-frequency, electromagnetic field acc. IEC/EN 61000-4-3 Immunity to rapid transient bursts acc. to IEC/EN 61000-4-5 Immunity to shock waves on power supply acc. to IEC/EN 61000-4-5 Immunity to radio frequency in common mode acc. to IEC/EN 61000-4-5 Immunity to radio frequency in common mode acc. to IEC/EN 61000-4-5 Immunity to voltage dips and breaks acc. to IEC/EN 61000-4-5 Immunity to voltage dips and breaks acc. to IEC/EN 61000-4-6 Immunity to voltage dips and breaks acc. to IEC/EN 61000-6-1 Immunity to voltage		93 % sans condensation	
Immunity to rapid transient bursts acc. to IEC/EN 61000-4-5 Immunity to shock waves on power supply acc. to IEC/EN 61000-4-5 Immunity to radio frequency in common mode acc. to IEC/EN 61000-4-5 Immunity to voltage dips and breaks acc. to IEC/EN 61000-4-6 Immunity to voltage dips and breaks acc. to IEC/EN 61000-4-11 Mains-borne and radiated emissions acc. to EN 55022 (CISPR22), EN55011 (CISPR11) Fixing: Symmetrical DIN rail Connection capacity - with terrule Spring terminals, 2 terminals per connection point - flexible wire Housing material Weight: casing 17,5 mm Level III (direct 2kV / Capacitive coupling clamp 1 KV) Level III (direct 2kV / Capacitive coupling clamp 1 KV) Level III (direct 2kV / Capacitive coupling clamp 1 KV) Level III (2 KV / common mode 2 KV/residual current mode 1 KV) Level III (10V rms : 0.15 M Hz to 80 M Hz) Level III (10V rms : 0.15 M Hz to 80 M Hz) Level III (10V rms : 0.15 M Hz to 80 M Hz) Level III (2 KV / common mode 2 KV/residual current mode 1 KV) Level III (2 KV / capacitive coupling clamp 1 KV) Level III (2 KV / capacitive coupling clamp 1 KV) Level III (2 KV / capacitive coupling clamp 1 KV) Level III (2 KV / capacitive coupling clamp 1 KV) Level III (2 KV / capacitive coupling clamp 1 KV) Level III (2 KV / capacitive coupling clamp 1 KV) Level III (2 KV / capacitive coupling clamp 1 KV) Level III (4 KV / capacitive coupling clamp 1 KV) Level III (2 KV / capacitive coupling clamp 1 KV) Level III (4 KV / capacitive coupling clamp 1 KV) Level III (4 KV / capacitive coupling clamp 1 KV) Level III (4 KV / capacitive coupling clamp 1 KV) Level III (4 KV / capacitive coupling clamp 1 KV) Level III (4 KV / capacitive coupling clamp 1 KV) Level III (4 KV / capacitive coupling clamp 1 KV) Level III (4 KV / capacitive coupling clamp 1 KV) Level III (10V rms : 0.15 M Hz to 80 M Hz) Level III (10V rms : 0.15 M Hz to 80 M Hz) Level III (10V rms : 0.15 M Hz to 80 M Hz) Level III (10V rms : 0.15 M Hz to 80 M Hz) Level III (10V rms : 0.15 M Hz to 80 M Hz)		Level III (Air 8 KV / Contact 6 KV)	
Immunity to shock waves on power supply acc. to IEC/EN 61000-4-5 Immunity to radio frequency in common mode acc. to IEC/EN 61000-4-6 Immunity to voltage dips and breaks acc. to IEC/EN 61000-4-11 Immunity to voltage dips and breaks acc. to IEC/EN 61000-4-11 Mains-borne and radiated emissions acc. to EN 55022 (CISPR22), EN55011 (CISPR11) Fixing: Symmetrical DIN rail Connection capacity - with ferrule Spring terminals, 2 terminals per connection point - rigid wire Housing material Self-extinguishing Weight: casing 17,5 mm Level III (10V rms : 0.15 M Hz to 80 M Hz) Level III (10V rms : 0.15 M Hz to 80 M Hz to 80 M Hz to 80		Level III 10V/m (80 M Hz to 1 G Hz)	
Immunity to radio frequency in common mode acc. to IEC/EN 61000-4-6 Level III (10V rms : 0.15 M Hz to 80 M Hz) Level III (10V rms : 0.15 M Hz to 80 M Hz to 80 M Hz Level III (10V rms : 0.15 M Hz to 80 M Hz Level III (10V rms : 0.15 M Hz to 80 M Hz Level III (10V rms : 0.15 M Hz to 80 M Hz Level III (10V rms : 0.15 M Hz to 80 M Hz to 80 M Hz to 80 M Hz Level III (10		Level III (direct 2kV / Capacitive coupling clamp 1 KV)	
Immunity to voltage dips and breaks acc. to IEC/EN 61000- 4-11 30 %/10 ms 60 %/100 ms > 95 %/5 s Mains-borne and radiated emissions acc. to EN 55022 (CISPR22), EN55011 (CISPR11) Fixing: Symmetrical DIN rail Connection capacity - without ferrule 2 x 2,5 mm² Connection capacity - with ferrule 2 x 1,5 mm² Spring terminals, 2 terminals per connection point - flexible wire Spring terminals, 2 terminals per connection point - rigid wire Housing material Self-extinguishing Weight: casing 17,5 mm Level III (10V rms: 0.15 M Hz to 80 M Hz) 30 %/10 ms 60 %/100 ms > 95 %/5 s Class B Class B 2,5 mm² 2,5 mm² 2,5 mm² 8elf-extinguishing 60 g		Level III (2 KV / common mode 2 KV/residual current mode 1KV)	
4-11 60 %/100 ms > 95 %/5 s Mains-borne and radiated emissions acc. to EN 55022 (CISPR22), EN55011 (CISPR11) 35 mm Connection capacity - without ferrule 2 x 2,5 mm² Connection capacity - with ferrule 2 x 1,5 mm² Spring terminals, 2 terminals per connection point - flexible wire 5pring terminals, 2 terminals per connection point - rigid wire 2,5 mm² Housing material 5elf-extinguishing 60 g		Level III (10V rms : 0.15 M Hz to 80 M Hz)	
Class B		60 %/100 ms >	
Connection capacity - without ferrule 2 x 2,5 mm ² Connection capacity - with ferrule 2 x 1,5 mm ² Spring terminals, 2 terminals per connection point - flexible wire 1,5 mm ² Spring terminals, 2 terminals per connection point - rigid wire 2,5 mm ² Housing material Self-extinguishing Weight: casing 17,5 mm 60 g		Class B	
Connection capacity - with ferrule 2 x 1,5 mm ² Spring terminals, 2 terminals per connection point - flexible wire 1,5 mm ² Spring terminals, 2 terminals per connection point - rigid wire 2,5 mm ² Housing material Self-extinguishing Weight: casing 17,5 mm 60 g	Fixing : Symmetrical DIN rail	35 mm	
Spring terminals, 2 terminals per connection point - flexible wire Spring terminals, 2 terminals per connection point - rigid wire 2,5 mm² Housing material Self-extinguishing Weight: casing 17,5 mm 60 g	Connection capacity - without ferrule	2 x 2,5 mm ²	
Spring terminals, 2 terminals per connection point - flexible wire Spring terminals, 2 terminals per connection point - rigid wire 2,5 mm² Housing material Self-extinguishing Weight: casing 17,5 mm 60 g	Connection capacity - with ferrule	2 x 1,5 mm ²	
wire 2,5 mm² Housing material Self-extinguishing Weight: casing 17,5 mm 60 g			
Weight: casing 17,5 mm 60 g		2,5 mm ²	
	Housing material	Self-extinguishing	
Weight: casing 22.5 mm 90 g	Weight : casing 17,5 mm	60 g	
	Weight : casing 22,5 mm	90 g	
Weight: plug-in casing 80 g	Weight : plug-in casing	80 g	

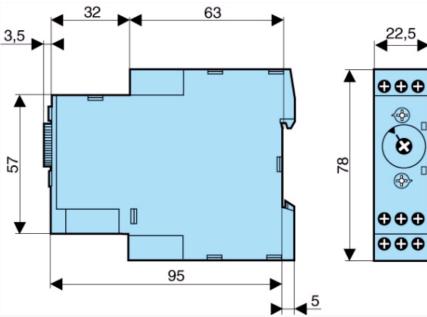
90

- Display
 State displayed by 2 LEDs
 Flashing green when on
 Relay LED yellow during timing
 Green LED operation indicator
 Pulsing:
 Timer on, no timing in process
 Permanently lit:

Permanently lit :

- Relay waiting, no timing in process

Dimensions (mm)



Curves

Function A - 1 relay output

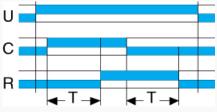


Function A

Delay on energisation

Curves

Function Ac - 1 relay output

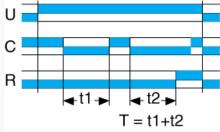


Function Ac

Timing after closing and opening of control contact

Curves

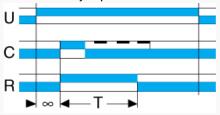
Function At - 1 relay output



Function At

Curves

Fonction B - 1 relay output

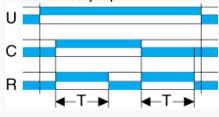


Function B

Timing on impulse one shot

Curves

Function Bw - 1 relay output

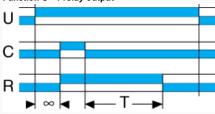


Function Bw

Pulse output (adjustable)

Curves

Function C - 1 relay output

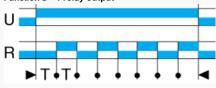


Function C

Timing after impulse

Curves

Function D - 1 relay output

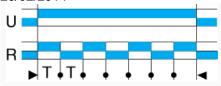


Function D

Flip-flop Pause start

Curves

Function Di - 1 relay output

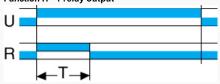


Function Di

Flip-flop Pulse start

Curves

Function H - 1 relay output

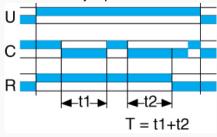


Function H

Timing on energisation

Curves

Function Ht - 1 relay output

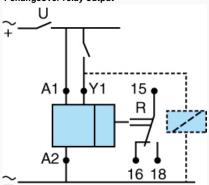


Function Ht

Delay on energisation with memory

Connections

1 changeover relay output



Functions

A - At - B - C - H - Ht - Di - D - Ac - Bw Ad - Ah - N - O - P - Pt - TL - Tt - W

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